Board Meeting November 19-20, 2002

SIERRA COUNTY

Department of Public Works and Transportation P.O. Box 98 Downieville, California 95936 530-289-3201 Fax 530-289-3620 siecodot@sccn.net



July 12, 2002

Carolyn Sullivan
California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
P.O. Box 4025
Sacramento, California 95812-4025

Re: Sierra County Regional Agency Petition for Reduction in Goals

Dear Ms. Sullivan:

Enclosed please find a copy of the Sierra County Regional Agency's Petition for Reduction in Diversion Goals submitted in compliance with PRC Section 41787 and Title 14 CCR Section 18775. The Petition covers the Sierra County Regional Agency and its two member agencies, the County of Sierra and the City of Loyalton. Both the County and the City of Loyalton qualify as "rural" communities under the criteria set for in PRC Section 41787.

It is requested that the diversion goal be reduced from 50% to 26.6%. This is considered to be the maximum feasible diversion that can be accomplished within the County as described in the initial *Source Reduction and Recycling Element* (SRRE) prepared by Sierra County, dated December 1997.

If you have any questions concerning this petition, please call me at (530) 289-3201.

Sincerely,

Fin H. Beals, Director

Sierra County Department of Public Works

Enclosure

THBcm736

Application for Petition to Reduce Diversion Requirements

Section I: Jurisdiction Information and Certification

To qualify for a rural reduction in the diversion and planning requirements, a jurisdiction must meet the rural definition and certain other requirements set forth in Statute (PRC Section 41787 Title 14, California Code of Regulations [CCR] Section 18775). Is your jurisdiction listed as rural on the CIWMB's Waste Analysis Branch <u>Rural Status</u> spreadsheet?

√Yes		♯ No
If you checke	d the No bo	x but feel you

If you checked the **No** box but feel you qualify, contact your Office of Local Assistance representative before proceeding with this application.

The purpose of this request is to:	•
√ Apply for a rural reduction from the AB939 50 percent diversion requirement.	
Diversion rate requested <u>26.6%</u>	
Apply for less comprehensive planning requirements. Specify planning components	

Jurisdiction Information and Certification	on				
I certify under penalty of perjury that the information in this document is true and correct to the					
best of my knowledge, and that I am au	thor	ized to make this certification	cation on behalf o	f:	
Jurisdiction Name		County			
Sierra County Regional Agency Sierra County					
Authorized Signature Title Director of Public Works and Planning					
Type/Print/Name of Passon Signing Date Phone (Begin With Area					
Tim H. Beals July 12, 2002 (530) 289-3201			<u>01</u>		
Mailing Address	City		State	Zip	
P.O. Box 98	Downieville		California	95936	
E-Mail Address	Fax Number				
(530) 289-2828					

Section II: Waste Generation Characterization

Waste generation rate expressed in pounds per person per day: 5.5

**Total annual generation tonnage multiplied by 2000 to determine generation in pounds. Divide pounds by 365 to arrive at daily generation. Divide daily generation by jurisdictional population to determine pounds per person per day.

Jurisdictional generation rate in comparison to the statewide total generation rate: 67.9%

**Jurisdictional total generation divided by statewide total generation multiplied by 100 to determine the percentage of jurisdictional generation in comparison to statewide total.

Section III: Disposal Characterization

Please provide a general description of existing disposal systems including documentation of the types and quantities of waste disposed in your jurisdiction. Sources may include Solid Waste Generation or Characterization Studies (SWGS); current year waste disposal information from permitted solid waste facilities used by the jurisdiction, etc. (CCR 18775)

Solid waste collection and disposal systems within Sierra County consist of both public and private systems. The primary collection and disposal system is operated by the Sierra County Department of Public Works and consists of four solid waste transfer stations located in Alleghany, Ramshorn, Sierra City, and Sattley, and the Loyalton Landfill. Each of these facilities is staffed with workers who help facilitate the County's source reduction and recycling programs. Waste collection for residential and commercial customers is also provided for within the County by private contract waste haulers. Solid waste generated within the County is principally municipal/domestic waste. Approximately 57% of the waste generation is residential, 31% - commercial, 3% - industrial, and 9% - seasonal recreation associated wastes. Of this, between 2,500 tons to 3,000 tons of waste are disposed each year to the County's only landfill located in Loyalton. Waste importation and exportation from the County is generally assumed to be negligible.

List the top 5 material types disposed for business and residential

Material Type - Business	% of Total Disposal	Material Type - Residential	% of Total Disposal
1. Wood Waste	8.7%	1. Wood Waste	13.3%
2. Paper	8.6%	2. Miscellaneous Paper	7.3%
3. Food Waste	3.1%	3. Corrugated Container	5.4%
4. Plastic	2.8%	4. Food Waste	4.9%
5. Glass	2.3%	5. Plastic	4.8%

Please provide information about the disposal collection systems provided by your Jurisdiction.

Give a general description of your Jurisdiction's contractual agreement(s) with the hauler(s) (i.e. exclusive franchise/competitive, length of contract, AB939 requirements, variable can rate incentives, etc.)

Regulations governing private waste haulers within the County are contained within the County's Solid Waste Ordinances. The County does not administer franchise agreements with individual haulers, but rather regulates private waste collection through the issuance of licenses. Waste haulers are required to separate recyclables from wastes collected prior to disposal.

COLLECTION: Residential Sector (co	mple	te all that apply)	
Public Collection Methods		Private Collection Methods	
Curbside collection Manual Semi-automated Automated Weekly Bi-weekly Mandatory participation Funding sources/rates: (Variable can rates, parcel fees, gate fees, utility fees, etc. May attached) Other: Transfer Station Collection		Curbside collection Manual Semi-automated Automated Weekly Bi-weekly Mandatory participation Self-haul to landfill Tons or percent 25% (Residential & Commercial/ Industrial) Self-haul to transfer stations Tons or percent 27% (Residential & Commercial/ Industrial) Funding sources/rates: (Variable can rates	> > - - - - - - - - - -
		parcel fees, gate fees, utility fees, etc. May	•
		attached)	
		Parcel fees and gate fees Other:	
		Offici.	
Commercial/Industrial Sector (complete	all th	at apply.)	
Public Collection Methods		Private Collection Methods	
Curbside collection Manual Semi-automated Automated Weekly Bi-weekly Mandatory participation Rates (May be attached) Other: Transfer Station Collection		Curbside collection Manual Semi-automated Automated Weekly Bi-weekly Mandatory participation Self-haul to landfill Tons or percent stations 25% (Residential & Commercial/ Industrial) Self-haul to transfer stations Tons or percent stations 27% (Residential & Commercial/ Industrial)	> > □□ > □ □ > >
		Rates (May be attached) Other:	

Please provide any additional information about your Jurisdiction's disposal collection systems not included above:

Approximately half of the waste generated within the County is self-hauled to either the County landfill in Loyalton or to one of the four transfer stations within the County. Solid waste separation and exclusion is effectively accomplished at each of these locations by gate attendants who assess fees upon those customers who have not separated their wastes and who also collect fees for special wastes and wastes generated from outside the County. Waste collection via private contract haulers is disposed at the landfill. Waste separation of curbside and temporary drop box waste collections by private contract haulers is accomplished prior to waste disposal by the individual customer. This practice is promoted through education and enforced by the County against the disposal contractor.

Section IV: Diversion Characterization

Please provide a general description of existing diversion systems including documentation of the types and quantities of waste diverted in your jurisdiction. (CCR 18775)

The County's Source Reduction and Recycling Element portion of is Integrated Solid Waste Management Plan contains various source reduction, recycling, composting, and education programs which target specific waste types. Source reduction programs include a composting element that targets food and yard wastes. Recycling programs target beverage containers, plastic, glass, metals, tires, white goods, autobodies, corrugated paper and newspaper. These programs are implemented both on the public and private levels.

List the top 5 material types <u>diverted</u> for business and residential

% of Total Diversion	Material Type - Residential	% of Total Diversion
14%	1. Ferrous Metals	26%
7.6%	2. Yard Waste	14%
5.4%	3. Tires	10%
1.3%	4. Wood Waste	2.4%
0.2%	5. Demolition	0.3%
	Diversion 14% 7.6% 5.4% 1.3%	Diversion 1. Ferrous Metals 7.6% 2. Yard Waste 5.4% 3. Tires 1.3% 4. Wood Waste

Business and residential waste diversion information based upon levels measured during the Year 2000.

Please provide information about the diversion systems/programs provided by your Jurisdiction.

Give a general description of your Jurisdiction's contractual agreement(s) with the hauler(s) (i.e. exclusive franchise/competitive, length of contract, AB939 requirements, etc.).

Regulations governing private waste haulers within the County are contained within the County's Solid Waste Ordinances. The County does not administer franchise agreements with individual haulers, but rather regulates private waste collection through the issuance of licenses. Waste haulers are required to separate recyclables from wastes collected prior to disposal.

goods and autobodies.

Funding sources/rates: (May be attached)

DIVERSION: Residential Sector (Complete all that apply.) **Public Collection Methods Private Collection Methods** Weekly Weekly √ Bi-weekly Bi-weekly Mandatory participation Mandatory participation Materials collected curbside Self-haul Materials collected curbside: beverage containers. Drop off site(s) (How many, including buy back sites?): 4 transfer stations and landfill - No buy Drop off site(s) (How many, including buy back back sites. sites?): None within County Materials collected at drop-off site(s): Transfer Materials collected at drop-off site(s): Sites-beverage containers, plastic, glass, tires. corrugated paper, newspaper, yard waste, wood Funding sources/rates: (May be attached) waste. Landfill-additionally includes metals, white

Public Collection Methods	Private Collection Methods
Weekly	Weekly ✓
Bi-weekly	Bi-weekly
Mandatory participation □	Mandatory participation
Materials collected curbside	Self-haul √
	Materials collected curbside Varies
Drop off site(s) (How many, including buy back sites?): 4 transfer stations and landfill – No buy back sites.	Drop off site(s) (How many, including buy back sites?): None
Materials collected at drop-off site(s): Transfer Sites-beverage containers, plastic, glass, tires,	Materials collected at drop-off site(s):
corrugated paper, newspaper, yard waste, wood waste. Landfill- additionally includes metals, white goods and autobodies.	Funding sources/rates: (May be attached)
Funding sources/rates: (May be attached)	

Please provide any additional information about your Jurisdiction's diversion collection systems not included above:

In addition to the programs above, the County implements a construction debris reuse and recycling program at the landfill. Construction materials such as asphalt and concrete are stockpiled at the landfill for subsequent use elsewhere off-site.

Section V: Program and Jurisdiction Characterization

Please describe your jurisdiction's current diversion systems/activities. (Using the Board's PARIS program codes, list current diversion activities in the table below. For specific program codes, refer to your jurisdiction's PARIS information located at: http://www.ciwmb.ca.gov/lgtoolsl/paris/jurpgmsu.asp.)

	· .	Sector Targeted	Approximate Diversion Rate	
	Materials	(Residential/non-	Resulting From	Describe How This Activity
Diversion Activity	Targeted	Residential)	This Activity ¹	Has Been Promoted
1010-SR-BCM Backyard and	Food Waste	Residential	3.6%	Public Education Programs
On-Site Composting/Mulching	Yard Waste			School Education Programs
1030-SR-PMT Procurement	Various	Governmental Sector	Unknown	County Government Source Reduction and Recycling Policy adopted by Board
1050-SR-GOV Government Source Reduction Programs	Various	Governmental Sector	Unknown	County Government Source Reduction and Recycling Policy adopted by Board
1070-SR-OTH Other Source Reduction	Various	Residential/Non- Residential	Unknown	Public Education Programs
2010-RC-DRP Residential Drop-off	beverage containers, plastic, glass, tires, corrugated paper, newspaper, yard waste, wood waste	Residential/Non- Residential	Unknown	Public Education Programs School Education Programs
2020-RC-BYB Residential Buy- Back	beverage containers	Residential	-	Not implemented
2040-RC-SFH Commercial Self Haul	Various	Residential Non-Residential	Unknown	Public Education Programs
2050-RC-SCH School Recycling Programs	beverage containers	Non-Residential	Unknown	Public Education Programs/ School Education Programs
2060-RC-GOV Government Recycling Programs	Oil Filters, Beverage Containers, Various	Non-Residential	Unknown	County Government Source Reduction and Recycling Policy adopted by Board Public Education Programs
2070-RC-SNL Special Collection Seasonal	Christmas Trees/Phone Books	Residential	Unknown	Public Education Programs, Phone Books Planned for Future Implementation
2080-RC-SPE Special Collection Events	Various	Residential/Non- Residential	Unknown	Varies
4000-SP-ASH Ash	Ash	Non-Residential	Unknown	Prohibition on Disposal of Industrial Ash at Landfill
4010-SP-SLG Sludge	Sewage/ Industrial Sludge	Residential/Non- Residential	Unknown	Prohibition on Disposal at Landfill
4020-SP-TRS Tires	Tires	Residential/Non- Residential	0.4%	Special Waste Fee on Tires
4030-SP-SHG White Goods	White Goods	Residential/Non- Residential	0.6%	Special Waste Fee on White Goods
4050-SP-WDW Wood Waste	Wood Waste	Residential/Non- Residential	12.2%	Special Waste Fee on Wood Waste

Estimates from the Source Reduction and Recycling Element, December 1997.

			Approximate	
		Sector Targeted	Diversion Rate	
	Materials	(Residential/non-	Resulting From	Describe How This Activity
Diversion Activity	Targeted	Residential)	This Activity	Has Been Promoted
1010-SP-CAR Concrete/ Asphalt/Rubble	Concrete/ Asphalt/Rubble	Residential/Non- Residential	Unknown	Separation and Stockpiling at Landfill
5010-ED-PRN Education-	Various	Residential/Non-	Unknown	Governmental and Non-
Print	, urrous	Residential Residential	Onknown	governmental Public
		Residential		Education Programs
5020-ED-OUT Education-	Various	Residential/Non-	Unknown	Governmental and Non-
Outreach	, unious	Residential	Oudiown	governmental Public
		Residential		Education Programs
5030-ED-SCH Education-	Waste Oil,	Residential/Non-	Unknown	Cooperative Public
Schools	Hazardous	Residential	Chanown	Education Programs with
	Waste, Various	Residential		Schools
6010-PI-EIN Economic	Various	Residential/Non-	Unknown	Special Waste Fees, Fees for
Incentives	. 42.00.0	Residential	Onniown	Non-separated waste.
6020-PI-ORD Ordinances	Various	Residential/Non-	Unknown	Special Waste Fees, Fees for
· ·		Residential	Ommon M	Non-separated waste,
	ļ	Residential		Prohibition on Special Waste
				Types
7020-FR-TST Transfer Station	Various	Residential/Non-	Unknown	Sierra County Program
3		Residential		Operation Operation
8030-TR-OTH Other	Wood Wastes	Residential/Non-	Unknown	Chipping and Incineration of
Transformation	Yard Wastes	Residential		Wood Waste
9000-HH-PMF Permanent	Batteries, Oil.	Residential/Non-	Unknown	Sierra County Program
Facility	Paint, AntiFreeze	Residential		Operation at Landfill and
•	,			Transfer Stations
9010-HH-MPC Mobile or	Household	Residential/Non-	Unknown	Contract Basis from Year-to-
Periodic Collection	Hazardous	Residential		Year. Public Education
	Materials			during events.
9030-HH-WSE Waste	Various	Residential/Non-	Unknown	Not Implemented. Diversion
Exchange		Residential		for Waste Exchange Waste
				Types Sufficient Without this
				Program
9040-HH-EDP Hazardous	Hazardous	Residential/Non-	Unknown	Newspaper Advertisements,
Waste Education Programs	Materials	Residential		Flvers at Landfill

Estimates from the Source Reduction and Recycling Element, December 1997.

For the following questions, please refer to the Policy for Granting Reductions in the 50% Medium-term (year 2000) Diversion Requirement dated October 27, 1994.

A. Are there significant material types for which no programs/inadequate programs have been implemented? Please describe the material types.

Based upon the 1997 Source Reduction and Recycling Element for Sierra County, the following significant waste types exist for which no programs have been implemented for reasons of cost effectiveness.

Significant Waste Types Not Targeted			
Waste Type	% of Total Waste Generation		
Other Paper	12%		
Film Plastics	3.1%		
Other Plastics	3.6%		
Textiles and Leather	3.6%		
Other Wastes	7.3%		
Total	29.6%		

Wastes types that have been targeted within the County's recycling program are currently being recovered at rates considered to be the practical maximum for the County.

B. Are there any major climate or geographic impediments that hinder the planning and implementation of programs? Please describe.

Sierra County is situated within the Sierra Nevada Mountains of Northeastern California. The climate of this region is characterized by excessive precipitation with a large percentage of it in the form of snowfall during winter months. This situation presents a number of challenges to the implementation of source reduction and diversion programs. For example, facilities used for the collection and storage of materials must be adequately protected from the rain and snowfall and during winter months, snow accumulation limits source reduction measures such as composting. Snowfall also places additional burdens upon the collection of materials from across the County which is already an expensive and difficult task. Like many mountain counties, communities within Sierra County are separated geographically from one another due to topographic features. Historically, the County's collection of waste at the transfer stations and transportation to the landfill in Loyalton has accounted for over half of the County's solid waste management budget. These costs have further increased over the past ten years due to the implementation of separation and recycling programs which in many cases require separate collection and transportation from the transfer stations to the landfill.

C. Is your jurisdiction located a significant distance from major markets for your materials? Please describe.

Yes, Sierra County is located in Northeastern California and all recyclable materials must be transported significant distances to material processing facilities. Locally, transportation corridors consist of mountainous highways and roads that create additional burdens on material transportation. The small quantities of materials generated within the region do not allow for more cost-effective means of material transportation.

D. Is your jurisdiction's tax base limited by significant state or federal ownership of land? Please describe.

Yes, over 70% of the land in Sierra County is federally owned (U.S. Forest Service). Sierra County is the second smallest County in the State on a population basis. Census data for 2000 records the County population at 3,555.

E. Is your jurisdiction experiencing severe economic distress, high unemployment or above average poverty? Please describe.

Yes, unemployment within Sierra County historically has been higher than the rest of the state. The State Department of Finance estimated unemployment in Sierra County during the year 2000 at 7.7% as compared to 4.9% for the state as a whole. Sierra County has experienced significant economic pressures over the last ten years due to declines in the timber and mining industries. Revenues from timber harvesting, once a significant portion of the County's budget, have been significantly reduced in recent years. The decline in the timber industry was most recently illustrated by the closure of the Sierra Pacific Industry mill in Loyalton, historically one the County's largest private employers. Similar declines in the mining industry have also been experienced in the past ten years.

E. Please identify budget constraints that may impact your jurisdiction's ability to implement additional programs.

Due to the limitations in Sierra County's tax base and generally poor economic conditions, budget constraints are a reality with which all County programs and departments must contend. During recent years, funding has been limited to core County programs and many programs throughout the County have been postponed or eliminated as a result of budgetary constraints.

G. Please include an overall statement as to why your jurisdiction is unable to meet the state mandated 50 percent diversion requirement.

Sierra County is a rural mountainous community located within northeastern California. It has a small, dispersed population of 3,555 making it the second smallest County in the State behind Alpine County. Waste generation within the County is low by a number of measures. The County's total annual waste generation is 3,500 tons. The per capita waste generation rate is 5.5 pounds per day which is low when compared to the statewide average of 9.1 pounds per capita per day.

Recycling opportunities within the County are limited by a number of factors including climate, distances to recycling markets, small waste quantities which prevent savings due to economies of scale, existing low waste generation rates, and budgetary concerns. Despite these limitations, Sierra County has implemented a successful source reduction and recycling program within the County over the past ten years targeting those material types that provide the greatest reduction in disposal using the most cost effective means. The County's Source Reduction and Recycling Element (SRRE) projected a maximum waste diversion of 26.6% within the County given the limitations that exist. The County has presently implemented all significant programs within the SRRE and it appears as though most waste diversion expectations are being met although small improvements are still possible. In consideration of the programs that have been implemented and the limitations that exist with respect to further diversion, it is requested that the County be granted a reduction in goals to 26.6%.

H. Please describe your public sector diversion and procurement program. (PRC 41787)

Material type targeted (i.e.; office paper)	Program description	Ordinances adopted or public policy developed (by whom, when, for what purpose? Attach copies of ordinances)
Office Paper	Double sided copying, purchase of paper with recycled content	Sierra County Resolution 2002-004
Office materials/ equipment	Extended product life, recycled content, unnecessary waste, product re-usability, bulk packageing	Sierra County Resolution 2002-004
Various	Life cycle analysis	Sierra County Resolution 2002-004
Hazardous Materials	Limit use of hazardous materials to the extent needed	Sierra County Resolution 2002-004

I. Please describe your public information, education and outreach program. (PRC 41787)

Public Sector Targeted (i.e., single residential/multi-residential, businesses, schools, etc.)	Material type targeted (i.e., greenwaste, commingled, cardboard, etc)	Program description	Frequency/number of contacts/mailings/advertisements during the last year
Residential/ Commercial	Various - paper, glass, plastic, cardboard, yard waste, wood waste, hazardous waste	Public awareness programs implemented at the County Transfer Stations and Landfill	Varies – 2 to 3 times a year
Schools	Various - paper, glass, plastic, cardboard, yard waste, wood waste, hazardous waste	General recycling awareness education	Generally at least once a year

STELL & COMMES

(330)263-2626

Agenda Item Attachment 1

BOARD OF SUPERVISORS COUNTY OF SIERRA, STATE OF CALIFORNIA

RESOLUTION AUTHORIZING PETITION TO REDUCE DIVERSION REQUIREMENTS FOR THE LOYALTON LANDFILL AND NAMING DIRECTOR OF TRANSPORTATION AS AUTHORIZED SIGNATORY

RESOLUTION 2002-083	
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WHEREAS, the California Integrated Waste Management Act of 1989 (AB 939) mandates that all jurisdictions in California implement programs to reduce waste generation and decrease the amount of waste being landfilled; and

WHEREAS, to qualify for a rural reduction in the diversion and planning requirements, a jurisdiction must meet rural definition and certain other requirements set for the in Statute (PRC Section 41787 Title 14, California Code of Regulations (CCR) Section 18775); and

WHEREAS, referenced petition covers the Sierra County Regional Agency and it's two member agencies, The County of Sierra and The City of Loyalton.

NOW THEREFORE BE IT RESOLVED that the referenced petition is hereby approved for submission to the State of California. Tim H. Beals, Director of Transportation is the authorized signatory on behalf of the County.

Adopted by the Sierra County Board of Supervisors, Sierra County, California, on the 18th day of June, 2002 by the following vote:

AYES: Supervisor Gutman, Huebner, Nunes, Mitchell and Whitley

NOES:None ABSTAIN: None ABSENT: None

PETER W. HUEBNER, Chairman

Board of Supervisors

ATTEST:

APPROVED AS TO FORM:

MARY JANUGI Clerk of the Board JAMES A. CURTIS

County Counsel